

Anti-PTPH1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Rat,Dog,Cow,Horse,Sheep)
Molecular Weight:	Theoretical: 104 kDa. Actual: 120 kDa.
Purification:	Protein A purified

Applications

Sample:	Lane 1: Human MCF-7 cell lysates Lane 2: Human HeLa cell lysates Lane 3: Human HepG2 cell lysates
Verified Activity:	Primary: Anti-PTPH1 (TMAB-11916) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 104 kDa Observed band size: 120 kDa
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human PTPH1/PTPN3
Antigen Species:	Human
Gene ID:	5774
Uniprot ID:	P26045

Research Background

The phosphorylation of proteins at tyrosine residues has long been recognized as an important regulatory component of signal transduction. This is a reversible process, involving both enzymes that phosphorylate proteins on tyrosine residues as well as a rapidly expanding family of protein tyrosine phosphatases. These latter enzymes bear little resemblance to either the protein serine and protein threonine phosphatases or to the acid and alkaline phosphatases. In most tissues, the major PTPase is a vanadate- and molybdate-sensitive protein. PTP-H1 shares homology with the cytoskeletal-associated proteins band 4.1, ezrin, and talin and has been shown to contain a PDZ and band 4.1 domain. These domains are responsible for targeting proteins to the cytoskeleton-membrane interface, as well as mediating protein-protein interactions, recognizing C-terminal valine residues and binding to other PDZ domains. Overexpression of PTP-H1 may reverse transformation induced by oncogenic protein-tyrosine kinases, such as the members of the src family.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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